

# What temperature probes are compatible with Maretron's Temperature Monitor (TMP100)?

Maretron's Temperature Monitor (TMP100) has six channels for connecting up to six temperature probes. Two channels accommodate K-Type thermocouples and the remaining four channels accommodate thermistor type temperature probes. Maretron offers both thermocouple and thermistor probes as accessory items for the TMP100.

The K-Type thermocouple offered by Maretron is used for measuring exhaust gas temperature.

- <https://www.maretron.com/support/manuals/TP-EGT-1%20Installation%20Instructions%201.2.pdf>

Any K-Type thermocouple will work together with Maretron's TMP100. Search the Internet for "K-Type Thermocouple" and you can pick from hundreds of different probes.

Maretron also offers three different thermistor probes:

- <https://www.maretron.com/support/manuals/TP-AAP-1%20Installation%20Instructions%201.1.pdf>
- <https://www.maretron.com/support/manuals/TP-IP-1%20Installation%20Instructions%201.1.pdf>
- <https://www.maretron.com/support/manuals/TR3K%20Installation%20Instructions%201.2.pdf>

You can also build your own thermistor probes by using a thermistor that is compatible with the TMP100. Please see the documents within the "Attachment" section at the end of this article for compatible thermistor information (generally referred to as resistance/temp curve type "J" - 3000

ohms at 25°C). Please note that the TMP100 accuracy figure ( $\pm 2^\circ$ ) used with thermistors is only valid between  $-20^\circ\text{C}$  to  $80^\circ\text{C}$  or  $-4^\circ\text{F}$  to  $176^\circ\text{F}$ .

Online URL:

<https://www.maretron.com/wp-content/phpkbv96/article.php?id=567>